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Suzanne Skinner
(Typed or printed name of person mailing correspondence)

Suzanne Skinner
(Signature of person mailing correspondence)

Application Number: **10/616,750** File Date: **July 10, 2003**
Title: **METHOD AND APPARATUS FOR ASSISTING REMOVAL OF SAND
MOLDINGS FROM CASTINGS**
Our Reference Number: **C152 1111.1**

Information Disclosure Statement
Forms PTO-1449
Return Postcard



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)

LEWIS ET AL.)

Serial No: **10/616,750**)

Filed: **July 10, 2003**)

For: **METHOD AND APPARATUS FOR ASSISTING REMOVAL OF SAND
MOLDINGS FROM CASTINGS**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant hereby voluntarily discloses the reference listed on the attached Form PTO-1449 to the Assistant Commissioner for Patents. References A-DT were cited in a prior application relied upon by the above-identified application for an earlier filing date. The prior application relied upon is Application Serial No. 09/852,256, filed on May 9, 2001. It is specified in 37 CFR 1.98(d) that a "copy of any patent, publication or other information listed in an information disclosure statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 USC 120." Therefore please review the parent case for references A-DT.

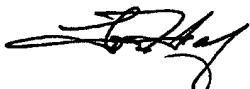
Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as the representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an

independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to account no. 09-0528.

Respectfully submitted,



Date: August 12, 2003

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Docket No.: **C152 1111.1**

1
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Sheet 1 of 8

Form PTO-1449
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1
Attorney Docket No. Serial No.
C152 1111.1 10/616,750

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant
Lewis et al.

Filing Date Group
July 10, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,531,423	07/96	Crafton et al.	266	44	
	B	5,565,046	10/96	Crafton et al.	148	538	
	C	5,294,094	03/94	Crafton et al.	266	44	
	D	5,350,160	09/94	Crafton et al.	266	252	
	E	5,354,038	10/94	Crafton	266	44	
	F	5,439,045	08/95	Crafton	164	5	
	G	5,551,998	09/96	Crafton et al.	148	538	
	H	5,738,162	04/98	Crafton	164	5	
	I	4,340,433	07/82	Harding	148	16	
	J	4,604,055	08/86	Mackenzie	432	58	
	K	6,648,836	03/87	Thom	432	107	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	L	2074022	09/85	Japan				
	M	5939464	08/82	Japan				
	N	59219410	12/84	Japan				
	O	5825860	02/83	Japan				
	P	5653867	05/81	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	Economical Used Energy Type Continuing Heat Treating Furnace For Aluminum Castings Dogyo - Kanetsu Vol. 21 No. 2 Pages 29-36 - March 1984
	R	Brochures describing Beardsley & Pipe PNEU-RECLAIM Sand Reclamation Units Prior to August 13, 1992
	S	Brochure describing Fataluminum Sand Reclamation Units - Prior to August 13, 1992

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Form PTO-1449

Attorney Docket No.
C152 1111.1Serial No.
10/616,750Applicant
Lewis et al.Filing Date
July 10, 2003

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	T	4,392,814	07/83	Harding	431	170	
	U	4,478,572	10/84	Selli	432	13	
	V	4,415,444	11/83	Guptail	209	3	
	W	4,411,709	10/83	Nakanishi	148	3	
	X	4,700,766	10/87	Godderidge	164	5	
	Y	4,620,586	11/86	Musschoot	164	253	
	Z	3,871,438	03/75	Vissers et al.	164	5	
	AA	4,140,467	02/79	Ellison et al.	432	72	
	AB	5,253,698	10/93	Keough et al.	164	269	
	AC	4,457,352	07/84	Scheffer	164	5	
	AD	4,579,319	04/86	Sasaki	266	252	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AE	2230720	10/90	UK	B220	29/00		
	AF	0234810	03/85	USSR	164	132		
	AG	6316853	01/88	Japan	164	132		
	AH	3206048	02/82	Germany				
	AI	2307773	02/73	Germany				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AJ	Paul M. Crafton - Heat Treating Aging System Also Permits Core Sand Removal - Reprinted from 09/89 Modern Castings magazine
	AK	Preliminary Remarks dated 07/30/91 and filed in Serial No. 07/705,626
	AL	Declaration of Paul M. Crafton & Scott P. Crafton dated 07/26/91 and filed in Serial Number 07/705,626

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 Attorney Docket No.
C152 1111.1

 Serial No.
10/616,750

 Applicant
Lewis et al.

 Filing Date
July 10, 2003

Group

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AM	2,988,351	06/61	Barnett et al.	263	40	
	AN	4,211,274	07/80	Slowinski et al.	164	401	
	AO	4,294,436	10/81	Takahashi	266	257	
	AP	3,534,946	10/70	Westerkamp et al.	263	28	
	AQ	4,577,671	03/86	Stephan	164	401	
	AR	4,544,013	10/85	Kearney et al.	164	5	
	AS	4,955,425	09/90	McKenna	164	269	
	AT	4,582,301	04/86	Wunning	266	87	
	AU	2,385,596	10/45	Barnett	34	13	
	AV	3,737,280	06/73	Cromp	432	14	
	AW	5,423,370	06/95	Bonnemersou et al.	164	132	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AX	6092040	05/85	Japan	164	132		
	AY	4012158	1989	Germany	164	5		
	AZ	1129012	07/82	USSR				
	BA	2914221	04/79	Germany				
	BB	1569152	06/80	UK				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	BC	On Sale Description regarding System of Consolidated Engineering System (before 8/13/92)
	BD	Sales brochure describing Thermfire Brand Sand Reclamation, Gudgeon Bros., Ltd. believed to be known to others prior to 09/89
	BE	Sales brochure describing Simplicity/Richards Gas-Fired Thermal Reclamation System Simplicity Engineering, Inc. - believed to be known to others prior to 09/89

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Form PTO-1449 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>					Attorney Docket No. C152 1111.1		Serial No. 10/616,750	
					Applicant Lewis et al.			
					Filing Date July 10, 2003		Group	
U.S. PATENT DOCUMENTS								
Examiner Initials	Item	Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate
	BF	4,161,389	07/79	Staffin et al.		432	58	
	BG	4,519,718	05/85	Staffin et al.		374	45	
	BH	4,457,788	07/84	Staffin et al.		148	20.3	
	BI	5,378,434	01/95	Staffin et al.		422	141	
	BJ	5,018,707	05/91	Hemsath et al.		266	254	
	BK	4,161,389	07/79	Staffin et al.		432	58	
	BL	5,547,228	10/85	Girrell et al.		148	16	
	BM	4,671,496	06/87	Girrell et al.		266	78	
	BN	4,512,821	04/85	Staffin et al.		148	16.5	
	BO	4,524,957	06/85	Staffin et al.		266	252	
	BP	4,779,163	10/88	Bickford et al.		361	212	
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country		Class	Subclass	Translation
								Yes
	BQ	2337894	11/74	Germany		B08b	7/04	
	BR	1,564151	04/80	UK				
	BS	2315958	04/74	Germany		B08b	5/00	
	BT	7043571	12/70	France		15/00	11/00	
	BU	1392405	04/75	UK		25/00	33/18	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>								
	BV	Sales brochure describing AirTrac Brand Fluidizing Conveyor, Air Trac Systems Corp.,						
		believed to be known to others prior to 09/89						
	BW	Sales brochure describing Fluid Bed Calcifer Thermal Sand Reclamation Systems,						
		Dependable Foundry Equipment Co. - Believed to be known to others prior to 09/89						
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.								
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Form PTO-1449

INFORMATION DISCLOSURE CITATION

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Attorney Docket No. C152 1111.1 | Serial No. 10/616,750

Applicant Lewis et al.

Filing Date July 10, 2003

Group

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	BX	5,169,913	12/92	Staffin et al.	526	65	
	BY	4,613,713	09/86	Staffin et al.	585	241	
	BZ	4,068,389	01/78	Staffin et al.	34	57A	
	CA	4,623,400	11/86	Japka et al.	148	6.35	
	CB	3,760,800	09/73	Staffin et al.	128	24.1	
	CC	4,830,605	05/89	Hodate et al.	431	170	
	CD	4,242,077	12/80	Hyre	431	19	
	CE	2,813,318	11/57	W. Horth	22	89	
	CF	4,681,267	07/87	Leidel et al.	241	23	
	CG	4,427,,375	01/84	Di Rosa	432	58	
	CH	2,385,962	10/45	C.A. Barnett	34	13	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	
	CI	1197981	12/85	Canada	38	18		
	CJ	2104164	08/90	Japan				
	CK	62110248		Japan				
	CL	63108941	05/88	Japan				
	CM	2137114	10/84	UK	B01J8	268/36		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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Sheet 6 of 8

Form 10-1449					Attorney Docket No. C152 1111.1	Serial No. 10/616,750
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>					Applicant Lewis et al.	
					Filing Date July 10, 2003	Group

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	CN	5,850,866	12/98	Crafton	164	5	
	CO	5,829,509	11/98	Crafton	164	5	
	CP	4,177,952	12/79	Rikker	241	40	
	CQ	4,325,424	04/82	Scheffer	164	5	
	CR	6,112,803	09/00	Kruger	164	103	
	CS	5,443,383	08/95	Kuehn	432	128	
	CT	4,627,814	12/86	Hattori et al.	432	128	
	CU	4,490,107	12/84	Kimura et al.	432	11	
	CV	5,052,923	10/91	Peter et al.	432	207	
	CW	3,351,687	11/67	Thome et al.	432	133	
	CX	5,239,917	08/93	Lutkie et al.	99	443C	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	CY	5825417	02/83	Japan	C21D	1/00	
	CZ	WO 98/14291	04/98	PCT			
	DA	2187398	09/87	UK	F27B	15/09	
	DB	WO 97/30805	08/97	PCT			
	DC	195 30 975	02/97	Germany	B22C 5/00	B22D 29/00	

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, etc.)*

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INFORMATION DISCLOSURE CITATION		
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	Filing Date July 10, 2003	Group

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	DF	1-122658	05/89	Japan	B22D	29/00		
	DG	3-465	01/91	Japan	B22D	29/00		
	DH	0546210A1	06/93	Europe	B22D 29/00	B22D 31/00		
	DI	2448573	02/79	France	C21D 9/00	1/34, 1/62		
	DJ	1-91957	04/89	Japan	164	132		

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, etc.*)

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	DO	61007058	01/86	Japan	B22D	29/00		
	DP	2,248,569	04/92	UK	B22D	29/00		
!	DQ	3215809	04/82	Germany	B22D	29/00		
	DR	DE 1 030 974	09/55	Germany	31c/32	B22d		
	DS	0 077 511	10/82	Europe	B22D	29/00		
	DT	WO 01/08836 A1	02/01	PCT	B22D	29/00		

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